

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An inspection apparatus for cell reaction, which is composed of a device for liquid processor comprising

a plate-shaped base material,

a plurality of first ~~micro-conduits~~ microconduits extending in a first direction and a plurality of second ~~micro-conduits~~ microconduits extending in a second direction different from the first direction, which are formed in the base material,

~~micro-spaces~~ microspaces formed at respective intersections of the first ~~micro-conduits~~ microconduits and second ~~micro-conduits~~ microconduits, the microspaces including a cell supporting part configured to support cells, but permeable to liquids,

a valve provided in each of the respective ~~micro-conduits~~ microconduits linked to the ~~micro-spaces~~ microspaces, for opening and closing the ~~micro-conduit~~ microconduit, and

a valve control mechanism for controlling each of the valves between closed and opened states,

wherein the apparatus is used in an inspection of a cell reaction, in which a liquid medium necessary for survival of living cells is fed through one of ~~micro-conduits~~ microconduits linked to a selected ~~micro-space~~ microspace, in which the living cells are placed, and a test liquid containing a cell stimulator is fed through another ~~micro-conduit~~ microconduit linked to the ~~micro-space~~ microspace to inspect a cell reaction caused by the test liquid.

Claim 2 (Withdrawn): An inspection method of a cell reaction, which comprises using a device for liquid processor comprising

a plate-shaped base material,

a plurality of first micro conduits extending in a first direction and a plurality of second micro conduits extending in a second direction intersecting with the first direction, which are formed in the base material,

micro spaces formed at respective intersections of the first micro conduits and second micro conduits,

a valve provided in each of the respective micro conduits linked to the micro spaces, for opening and closing the micro conduit, and

a valve control mechanism for controlling each of the valves between closed and opened states,

wherein a liquid medium necessary for survival of cells is fed to a selected micro space, in which the cells are placed, through one of micro conduits linked to the micro space, and a test liquid containing a cell stimulator is fed through another micro conduit linked to the micro space, thereby inspecting a cell reaction caused.

Claim 3 (Withdrawn): The inspection method of the cell reaction according to claim 2, wherein the same kind of cells are placed in a plurality of micro spaces, and different test liquids containing a cell stimulator are fed to the plurality of the micro spaces.

Claim 4 (Withdrawn): The inspection method of the cell reaction according to claim 2, wherein different kinds of cells are placed in a plurality of micro spaces, and the same test liquid containing a cell stimulator is fed to the plurality of the micro spaces.

Claim 5 (Withdrawn): An inspection method of a cell reaction, which comprises using a device for liquid processor comprising
a plate-shaped base material,

a plurality of first micro conduits extending in a first direction and a plurality of second micro conduits extending in a second direction intersecting with the first direction, which are formed in the base material,

micro spaces formed at respective intersections of the first micro conduits and second micro conduits,

a valve provided in each of the respective micro conduits linked to the micro spaces, for opening and closing the micro conduit, and

a valve control mechanism for controlling each of the valves between closed and opened states,

wherein a first test process that a liquid medium necessary for survival of cells is fed to a selected micro space, in which the cells are placed, through one of micro conduits linked to the micro space, and a first test liquid containing a cell stimulator is fed through another micro conduit linked to the micro space, and

a second test process that the opened and closed states of the valves of the micro conduits linked to the micro space are changed over after the first test process, thereby stopping the feed of the first test liquid and feeding a second test liquid different from the first test liquid, containing a cell stimulator through a feeding route different from the feeding route for the first test liquid are conducted, thereby inspecting cell reactions caused by these test processes.

Claim 6 (Withdrawn): The inspection method of the cell reaction according to claim 5, wherein the first and second test liquids contain cell stimulators different in kind or concentration from each other.

Claim 7 (Withdrawn): The inspection method of the cell reaction according to claim 5 or 6, wherein the cells placed in the micro space are cells derived from an internal organ or organ of an animal, and the cell stimulators contained in the first and second test liquids are selected from cell growth factors, cell proliferation factors, hormones, nutrients and sera.

Claim 8 (Withdrawn): The inspection method of the cell reaction according to any one of claims 2 to 7, wherein the inspection of the cell reaction is detection of a productive substance produced by the cells.

Claim 9 (Withdrawn): An inspection method of a cell reaction, which comprises using a device for liquid processor comprising

a plate-shaped base material,

a plurality of first micro conduits extending in a first direction and a plurality of second micro conduits extending in a second direction intersecting with the first direction, which are formed in the base material,

micro spaces formed at respective intersections of the first micro conduits and second micro conduits,

a valve provided in each of the respective micro conduits linked to the micro spaces, for opening and closing the micro conduit, and

a valve control mechanism for controlling each of the valves between closed and opened states,

wherein in an inspection of a cell reaction that a liquid medium necessary for survival of cells is fed to a plurality of selected micro spaces, in each of which the cells are placed, through one of micro conduits respectively linked to the plurality of the micro spaces, and a

test liquid containing a cell stimulator is fed through another micro conduits respectively linked to the plurality of the micro spaces,

a cell reaction product by the first cells is fed to the second cells.

Claim 10 (New): The apparatus of Claim 1, wherein the cell supporting part is film-like.

Claim 11 (New): The apparatus of Claim 1, wherein the base material is transparent.

Claim 12 (New): The apparatus of Claim 1, wherein the cell-supporting parts divides the microspaces into upper and lower spaces, and two microconduits intersect each upper space, and two microconduits intersect each lower space.

Claim 13 (New): The apparatus of Claim 1, wherein the valve includes a valve chamber and a valve ball configured to seal an opening in a wall of the valve chamber and disposed within the valve chamber.

Claim 14 (New): The apparatus of Claim 13, wherein the valve chamber is spherical.

Claim 15 (New): The apparatus of Claim 14, wherein the valve ball comprises ferromagnetic material.

Claim 16 (New): The apparatus of Claim 15, further comprising a magnetizable film disposed on a face of the apparatus facing a direction parallel to the opening in the wall of the valve chamber.